

Amendments to the Specification:

Please replace the paragraph beginning on page 6, line 12 of the specification with the following amended paragraph:

Figures 48A-66 are flow charts showing message signaling for call processing.

Please replace the paragraph beginning on page 6, line 13 of the specification with the following amended paragraph:

Figures 67A-71B are flow charts showing message signaling associated with call processing with an external HLR.

Please replace the paragraph beginning on page 61, line 12 of the specification with the following amended paragraph:

Figures 48A-71B show the message flows associated with call processing. Figures 48A-B is are a flow chart for a mobile originated call. The mobile originated call begins when the BSC 105 receives an indication from the mobile unit 112 that the mobile unit 112 will originate a call. The BSC 105 may receive the number of the called party that was dialed at the mobile unit 112.

Please replace the paragraph beginning on page 62, line 13 of the specification with the following amended paragraph:

In Figures 48A-B, the mobile call process then proceeds to the call setup stage and the BSC 105 transmits a SETUP 810 to the DH-7 510. The SETUP 810 includes the call number and an identity of the mobile customer. The DH-7 510 transfers the information to the appropriate AMH 431 by sending a DH-7_AMH_TRANSFER 811. The AMH 431 then notifies the CPM 414 that a mobile originated call has been received by sending a CALL_RECEIVED 812. When the CPM 414 is notified that the mobile call has been received, the CPM 414 allocates a voice channel for a mobile call to carry the voice between the aircore platform 200 and the BSC 105. The mobile call is assigned a session number and each party of the mobile call is assigned an object of the mobile call.

Please replace the paragraph beginning on page 63, line 7 of the specification with the following amended paragraph:

As shown in Figures 48A-B, the device handler returns a CALL_ALERTING 824 to the CPM 414 indicating an attempt to connect to the called party. The alerting message is then passed to the BSC 105 using an ALERT_CALL 825, AMH_DH-7_TRANSFER 826 and an ALERTING 827.

Please replace the paragraph beginning on page 66, line 7 of the specification with the following amended paragraph:

Occasionally, a base station may not return a response to the MSC 210 within the timeout specified. The message flows for this situation is shown in Figure 53. The message flow begins after the service request message flows shown in Figures 48A-B (messages 800 - 809) are completed. A SETUP 960 is sent from the BSC 105 and in response, the AMH 431 sends a CALL_RECEIVED 991 to the CPM 414 and sets the T10 timer 818. Because the BSC 105 does not return a response to the ASSIGNMENT_REQUEST 996, the T10 timer 818 times out and the AMH 431 sends a DISCONNECT_CALL 1000 to the CPM 414 to initiate a clear call sequence. The CPM 414 sends a CLEAR_CALL 1001 to the AMH 431, which is passed (1002) to the BSC 105 as a DISCONNECT (GSM) or RELEASE (IS-634) 1003. The AMH 431 also sets (999) a channel release timer 936 in order to release the channel if the BSC 105 does not respond to the DISCONNECT 1003.

Please replace the paragraph beginning on page 67, line 22 of the specification with the following amended paragraph:

In Figure 55, a service request is initiated using the same message sequence (800 - 809) as shown in Figures 48A-B. The BSC 105 then sends a SETUP 1060, which is received at the DH-7 510. The message is transferred (1061) to the AMH 431, which sends a CALL_RECEIVED 1062 to the CPM 414. The call proceeds through call setup (1063 - 1065) until an ASSIGNMENT_REQUEST 1066 is sent to the BSC 105. In this case, however, the BSC 105 returns an ASSIGNMENT_FAILURE 1070. As a result, the MSC 210 proceeds with call tear down (1071 - 1090) in the same manner as shown in Figure 53 (1002-1016).

Please replace the paragraph beginning on page 71, line 12 of the specification with the following amended paragraph:

Figure 62 shows the message flows associated with a mobile originated call in which the BSC 105 does not send a connect acknowledge message to the MSC 210 and the T313 connect acknowledge timer 833 times out. The initial message flows are the same as shown in Figures 48A-B (800 - 809). The call proceeds through setup, channel assignment, alerting and call connection (1270 - 1294). The AMH 431 sets (1293) the T313 connect acknowledge timer 833.

However, the BSC 105 does not return a connect acknowledgment, and the T313 timer 833 times out (1297). The MSC 210 then proceeds through call tear down.

Please replace the paragraph beginning on page 71, line 12 of the specification with the following amended paragraph:

Figures 67A-71B are flow charts showing message handling associated with call processing with an HLR (internal or external).

Please replace the paragraph beginning on page 71, line 12 of the specification with the following amended paragraph:

Figures 67A-B shows the message flows when an incoming call is received at the MSC 210, a location request is sent to the HLR 424, and the HLR 424 indicates that the mobile unit 112 is operating locally. The DHI 501 sends a CALL_RECEIVED 1536 to the CPM 414. The CPM 414 sends a CPM_IMH_LOCATE_SUBSCRIBER 1537 to the IMH 432. The IMH 432 then sends an IMH_HLR_LOCATION_REQUEST 1538 to the HLR 424. The HLR 424 returns a response (1539) indicating that the mobile unit 112 is homed on the local system and is operating locally. The IMH 432 then provides an IMH_CPM_SUBSCRIBER_LOCATION 1540 to the CPM 414 indicating that the mobile unit 112 is operating locally. The remaining message flows 1541 - 1595 are similar to those shown in Figure 49.

Please replace the paragraph beginning on page 73, line 1 of the specification with the following amended paragraph:

Figures 71A-B shows the message flows associated with call processing for a mobile unit 112 homed on an external HLR but operating within the wireless network controlled by the aircore platform 200. In this scenario, the mobile unit 112 receives a call that goes initially to the MSC of the external wireless network. The call is then routed to the wireless network controlled by the aircore platform 200. The MSC 210 receives an invoke message 1751 from the external HLR. The IMH 432 then sends a route request 1752 to the VLR 422. Because the mobile unit 112 is roaming, it will be registered on the VLR 422. The VLR 422 returns a route request response 1753 to the IMH 432, which sends a roaming number 1754 to the external HLR indicating the location of the HLR 424. The remaining message flows are similar to those in Figure 49 with the exception that the IMH 432 does not have to locate the mobile unit.